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Jackery HomePower 3600 Plus

Jackery HomePower 3600 Plus Portable Power Station User Manual

Model: HomePower 3600 Plus (JHP-3600A)

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Jackery HomePower 3600 Plus Portable Power Station. Please read this manual thoroughly before using the product and retain it for future reference. The Jackery HomePower 3600 Plus is a high-capacity portable power station designed to provide reliable power for home backup, emergencies, RV use, and various outdoor activities. It features a robust LFP battery and multiple charging options.

2. SAFETY INSTRUCTIONS

Always follow basic safety precautions when using this product to reduce the risk of fire, electric shock, or injury. Failure to follow these instructions may result in serious injury or property damage.

- Do not disassemble, repair, or modify the unit.
- Do not place the unit near fire or expose it to heat.
- Do not use or store the unit in a bathroom or in an area exposed to water.
- Keep the unit away from children and pets.
- Do not use the unit if it is damaged or has been modified.
- Ensure proper ventilation during use and charging.
- Use only recommended accessories and charging cables.
- Avoid dropping, hitting, or subjecting the unit to strong impacts.
- Store the unit in a cool, dry place away from direct sunlight.

3. PACKAGE CONTENTS

- Jackery HomePower 3600 Plus Portable Power Station
- 2x 200W Solar Panels
- AC Charging Cable
- User Manual

Note: The HomePower 3600 Plus and solar panels are shipped separately and may arrive in separate packages.



Figure 1: Jackery HomePower 3600 Plus Portable Power Station, 2x 200W Solar Panels, and AC Charging Cable.

4. PRODUCT OVERVIEW

The Jackery HomePower 3600 Plus is designed for versatility and durability, offering substantial power output and capacity for various applications.

- **Essential Home Backup:** Delivers 3600W AC output (7200W in parallel with another unit) with 3584Wh capacity, expandable up to 21kWh per unit or 43kWh with multiple units. Supports dual voltage (120V & 240V in parallel).
- **Safe and Durable:** Features high-temperature resistant ceramic membrane LFP battery cells, offering 6,000 cycles for a 10-year lifespan. Reliable operation from -4 °F to 113 °F (-20 °C to 45 °C).
- **Ultra-Portable Design:** Weighs 77.16 lbs (35 kg) and is 34% smaller and 29.3% lighter than comparable models. Includes wheels and a telescopic handle for easy transport.
- **Multiple Output Ports:** Equipped with 4 AC outputs (120V, 20A), 1 TT-30 RV Port (120V, 30A), 2 USB-C Ports (100W Max), and 2 USB-A Ports (18W Max).

Multiple Ports, Maximum Efficiency

4 x AC Output

120V, 20A

TT-30 RV Port

120V, 30A

2 x USB-C Port

100W Max

2 x USB-A Port

18W Max



Figure 2: Multiple output ports for diverse device connectivity.

Power Without Limits

Delivering 3600W/120V solo or 7200W/240V dual, strong enough to run your fridge, pump, and dryer together.



Figure 3: Powering essential home appliances with the HomePower 3600 Plus and an expansion battery.

World's Lightest*, Smallest 3.6kWh LFP



*Lightest and Smallest: Based on testing and official data from mainstream 3kWh models, with data collected as of July 2025

Figure 4: The portable design of the HomePower 3600 Plus with wheels and telescopic handle.

5. SETUP

The Jackery HomePower 3600 Plus is designed for plug-and-play operation, requiring minimal setup.

- 1. Unpacking:** Carefully remove the power station and solar panels from their packaging.
- 2. Initial Charge:** It is recommended to fully charge the power station before first use. Connect the AC Charging Cable to a wall outlet.
- 3. Solar Panel Connection:** For solar charging, unfold the 200W solar panels and connect them to the DC input ports on the power station. Ensure panels are positioned to receive maximum sunlight.
- 4. Expansion Battery (Optional):** If using expansion batteries, connect them to the DC Expansion Port on the power station.

6. OPERATING INSTRUCTIONS

Using your Jackery HomePower 3600 Plus is straightforward.

6.1 Powering On/Off

- Press the 'Power' button to turn the unit on. The digital display will illuminate.
- To turn off, press and hold the 'Power' button until the display turns off.

6.2 Charging Options

The HomePower 3600 Plus offers four charging methods:

- **Hybrid AC+DC:** Recharges from 0-100% in approximately 2 hours.
- **AC Charging:** Recharges from 0-100% in approximately 2.5 hours via a standard wall outlet.
- **Solar Charging:** Recharges from 0-100% in approximately 4 hours using solar panels.
- **Gas Generator:** Recharges from 0-100% in approximately 2.5 hours.



Figure 5: Overview of the four charging options and their approximate charging times.

6.3 Connecting Devices

Simply plug your devices into the appropriate output ports (AC, USB-C, USB-A, RV) on the front panel. Ensure the power station is turned on and the specific output port is activated if it has a dedicated switch.

6.4 Uninterruptible Power Supply (UPS) Function

The HomePower 3600 Plus features a UPS function with a switching time of less than 10ms. This provides instant backup power for sensitive electronics like computers or medical equipment during power outages.

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your power station.

- **Cleaning:** Use a dry, soft cloth to wipe the unit. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the unit in a cool, dry, and well-ventilated area. For long-term storage, ensure the unit is turned off to preserve charge. Recharge every 3-6 months to maintain battery health.
- **Battery Health:** The LFP battery is designed for 6,000 cycles, retaining 70% capacity after this period, ensuring a 10+ year lifespan.



Figure 6: LFP battery technology ensures a long lifespan of 6,000 cycles.

8. TROUBLESHOOTING

If you encounter issues, refer to the following common troubleshooting steps:

- **Unit Not Turning On:** Ensure the battery is charged. If completely depleted, connect to AC power for a few minutes before attempting to power on.
- **No Output from Ports:** Check if the specific output port (AC, USB) is activated. Verify the device connected is functioning correctly and its power requirements do not exceed the port's limit.
- **Slow Charging:** Ensure all charging cables are securely connected. For solar charging, verify panels are clean and positioned for optimal sunlight exposure. Check for any error messages on the display.
- **Overload Protection:** If the unit shuts down due to overload, disconnect some devices and restart the unit.

9. SPECIFICATIONS

Brand	Jackery
Model Name	JHP-3600A
Wattage	3600 watts
Output Wattage	3600 Watts
Starting Wattage	3600 Watts
Running Wattage	3600 Watts
Fuel Type	Electric
Power Source	Battery Powered
Item Weight	77.16 Pounds (35 kg)
Voltage	120 Volts (AC)
Product Dimensions	15.2" L x 12.2" W x 19.3" H
Total Power Outlets	4 AC outlets + 1 RV port + 4 USB ports
Special Feature	Easy to Install, Portable with wheels and handle

10. WARRANTY AND SUPPORT

The Jackery HomePower 3600 Plus comes with a 5-year coverage period. Additionally, 4-Year Protection Plans are available for purchase to extend coverage.

For technical support, troubleshooting assistance, or warranty claims, please contact Jackery customer service. Refer to the official Jackery website or the included user manual for contact details.

11. PRODUCT VIDEOS

Jackery HomePower 3600 Plus Overview

This video provides a detailed overview of the Jackery HomePower 3600 Plus, highlighting its features and design. It also includes a comparison with the HomePower 3000 model.

Jackery HomePower 3600 Plus Features

A comprehensive look at the key features and functionalities of the Jackery HomePower 3600 Plus Portable Power Station.

Jackery HomePower 3600 Plus Problem Resolution

This video addresses a common issue with the HP3600 Plus, demonstrating how Jackery has resolved it to improve user experience.